

FIG-19

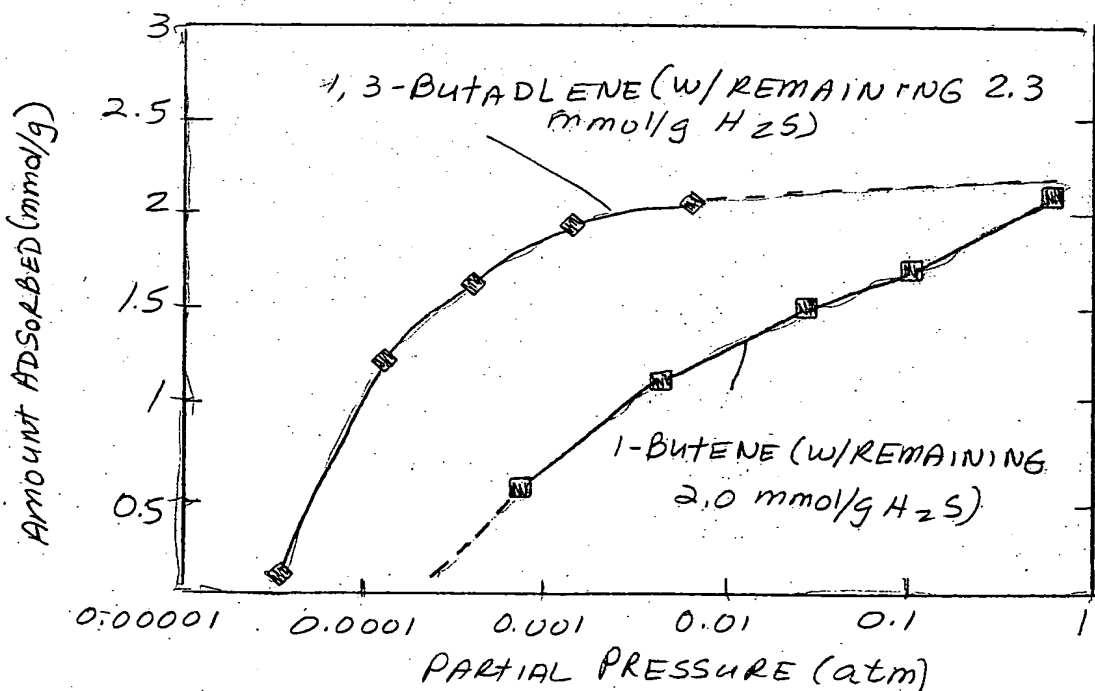


FIG-20

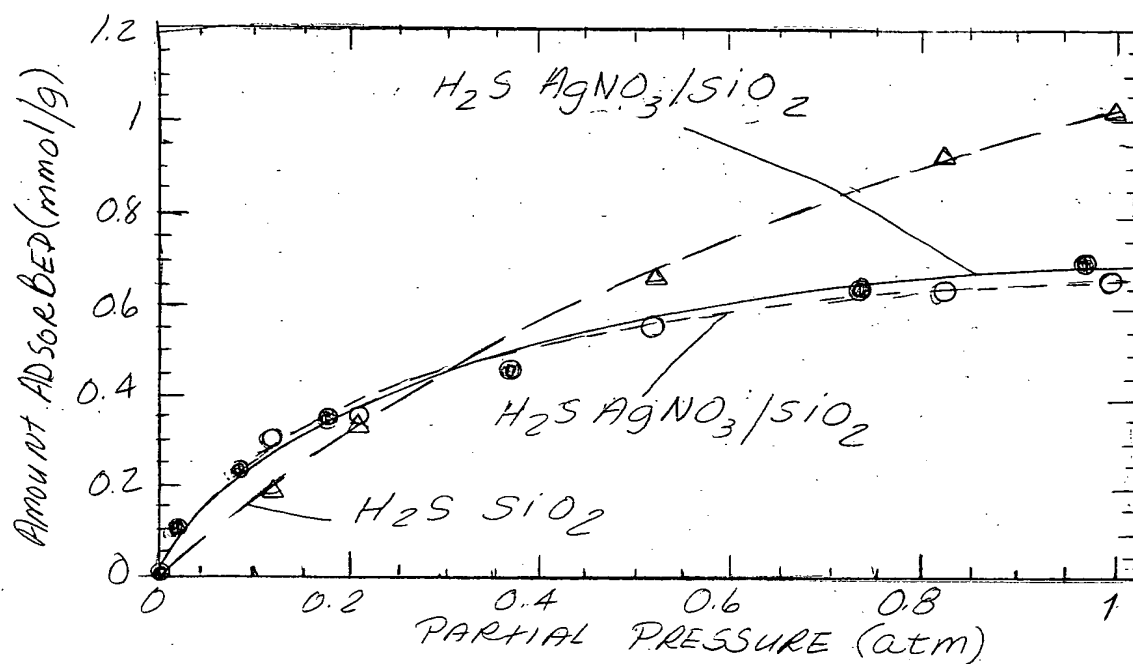


FIG-1

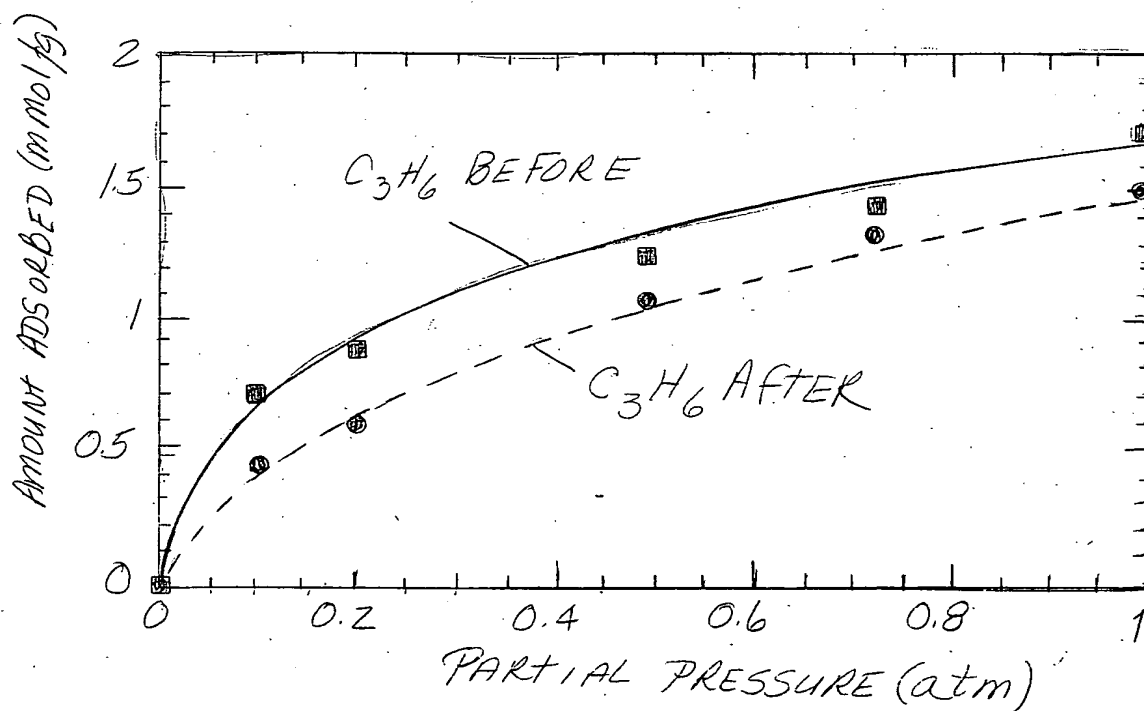
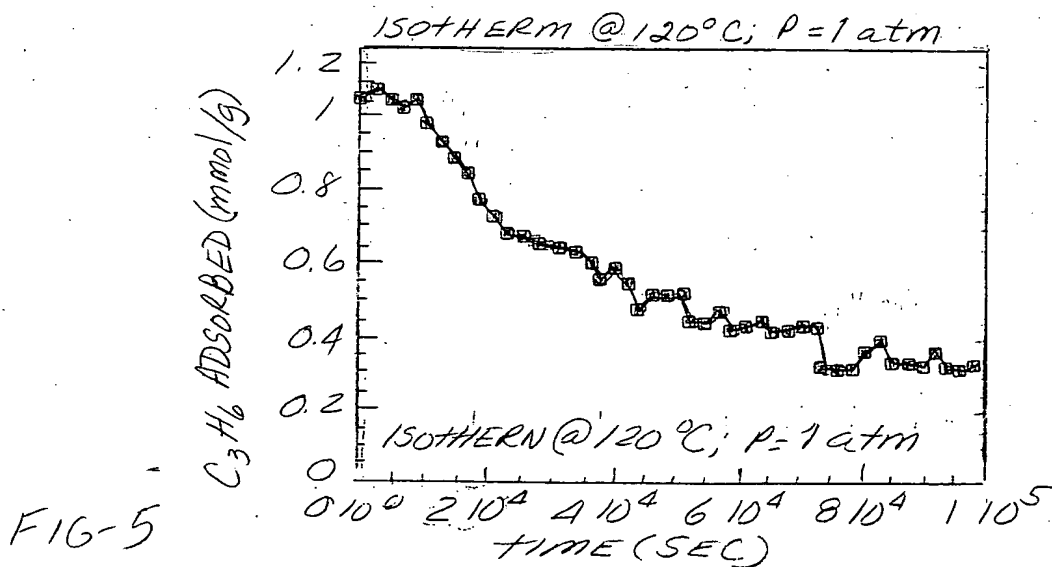
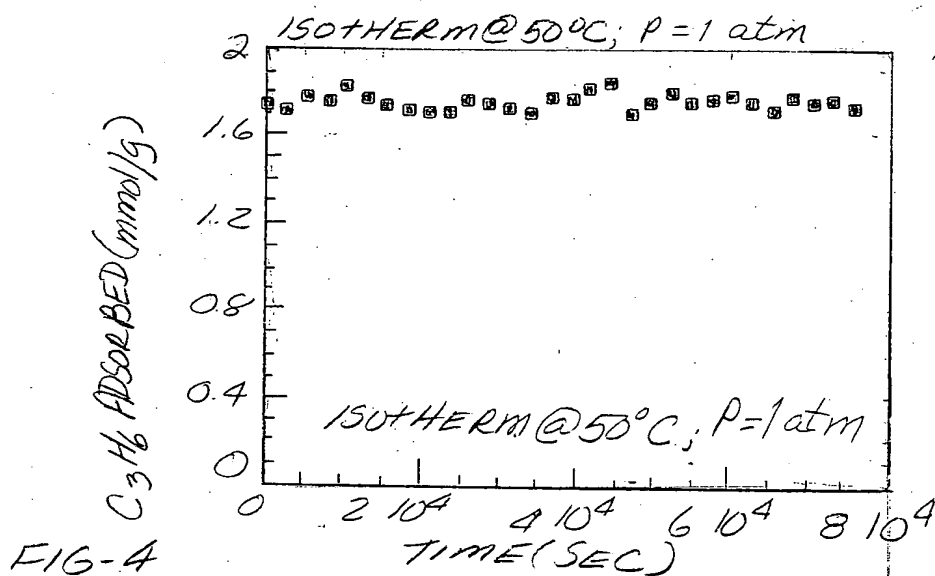
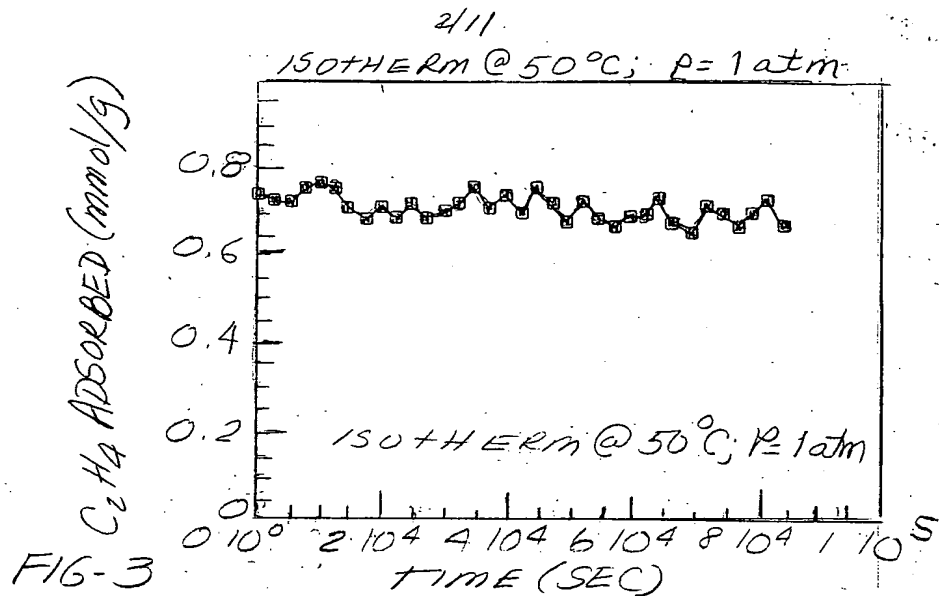


FIG-2



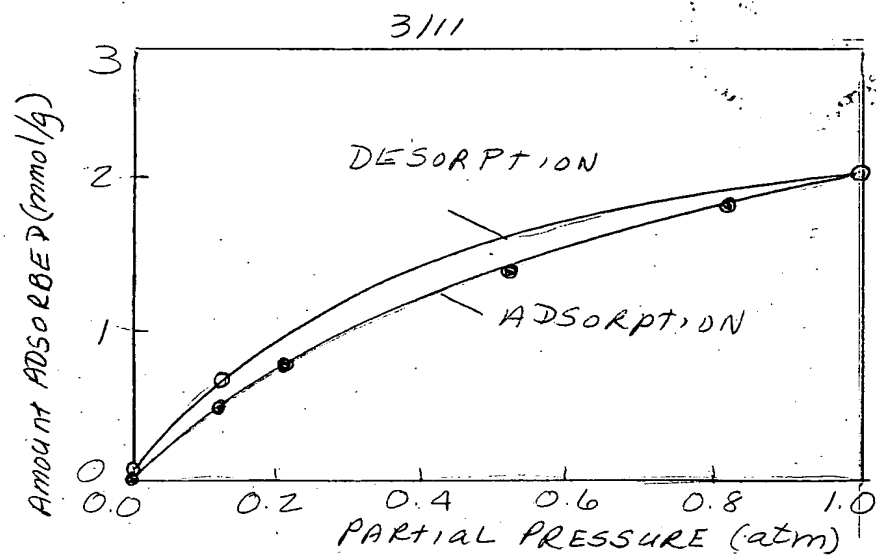


FIG-6

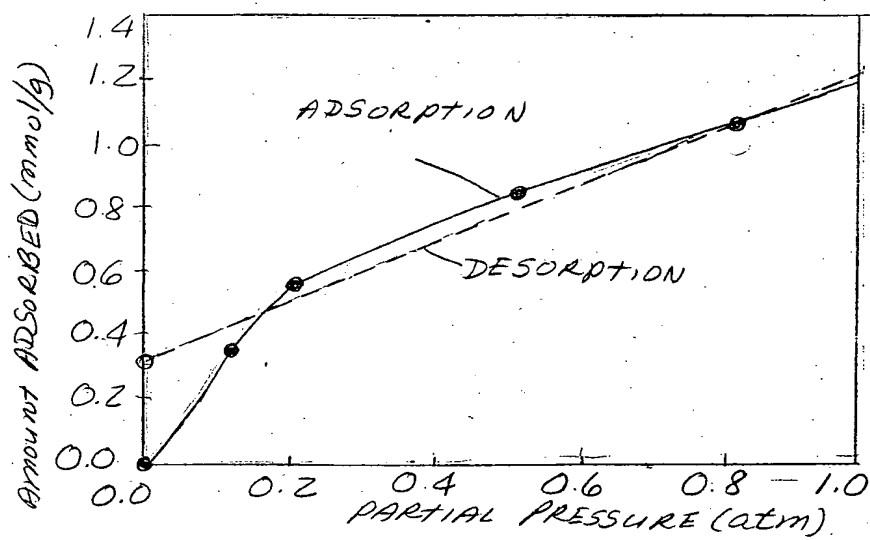


FIG-7

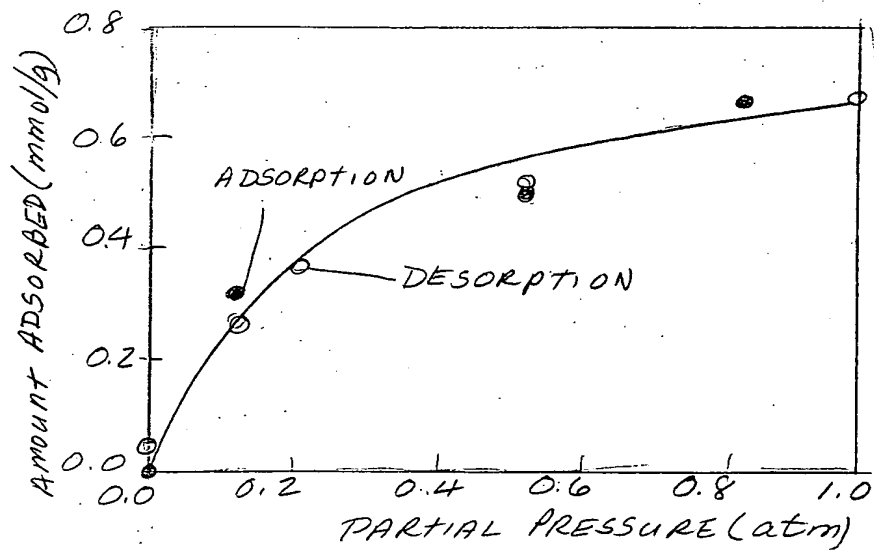


FIG-8

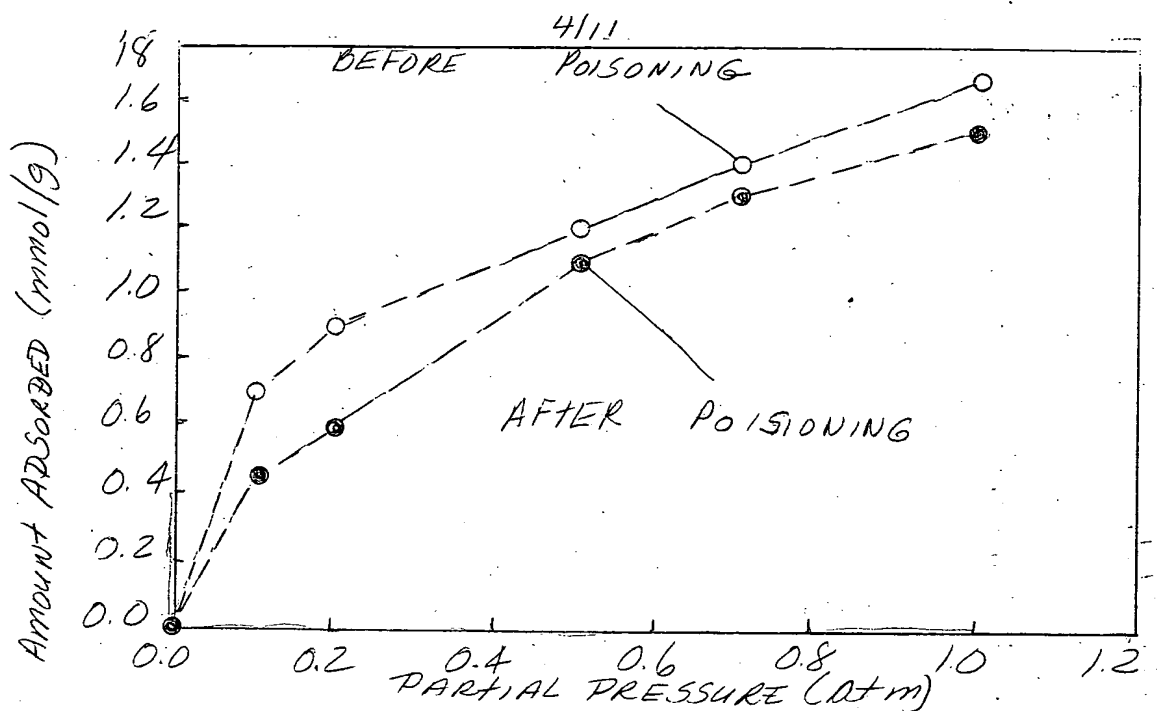


FIG-9

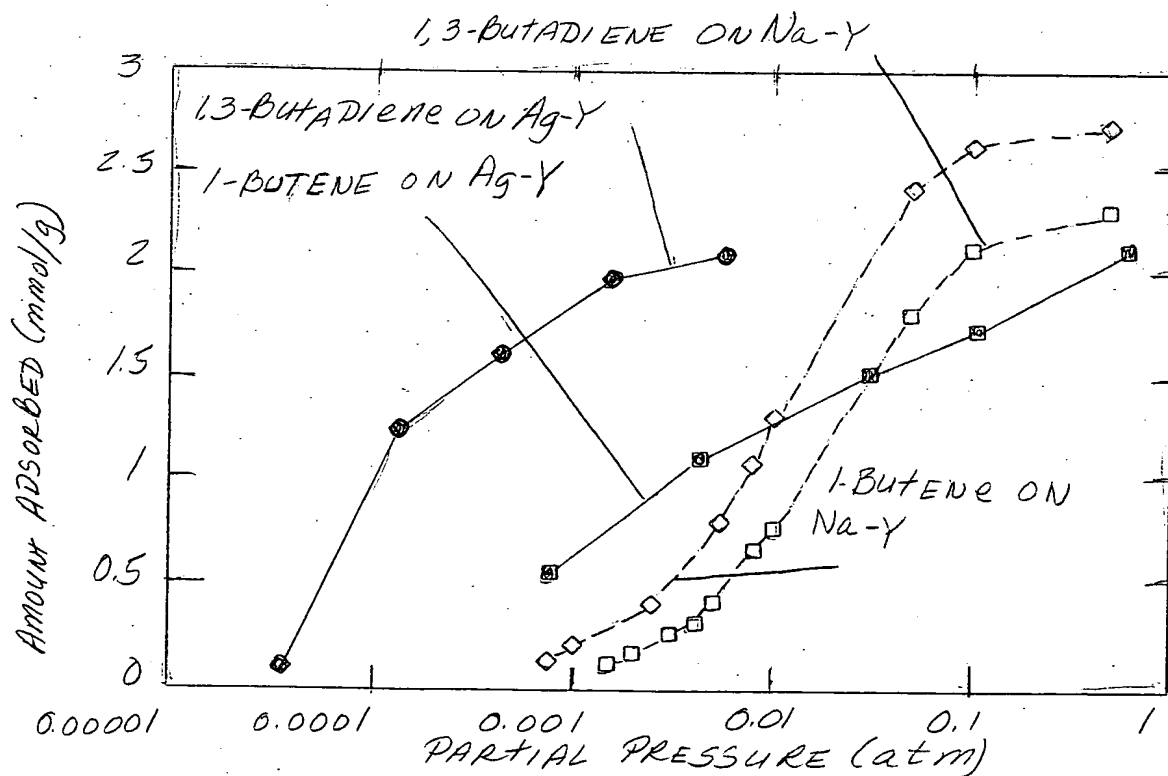


FIG-11

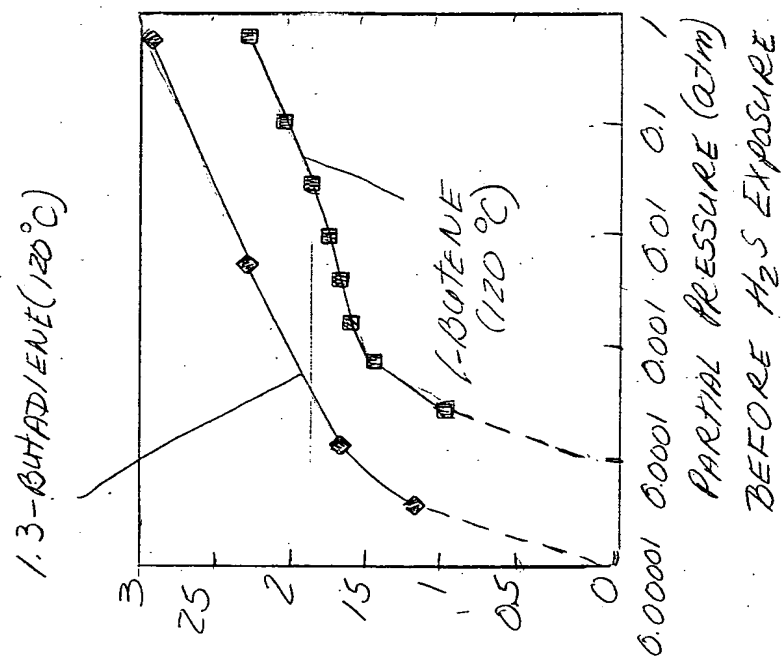


FIG-10A

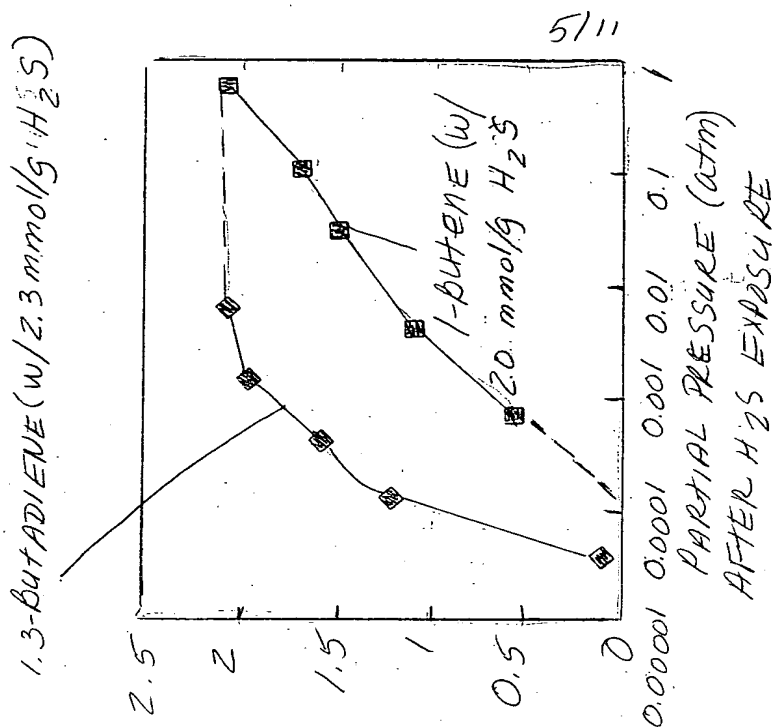


FIG-10B

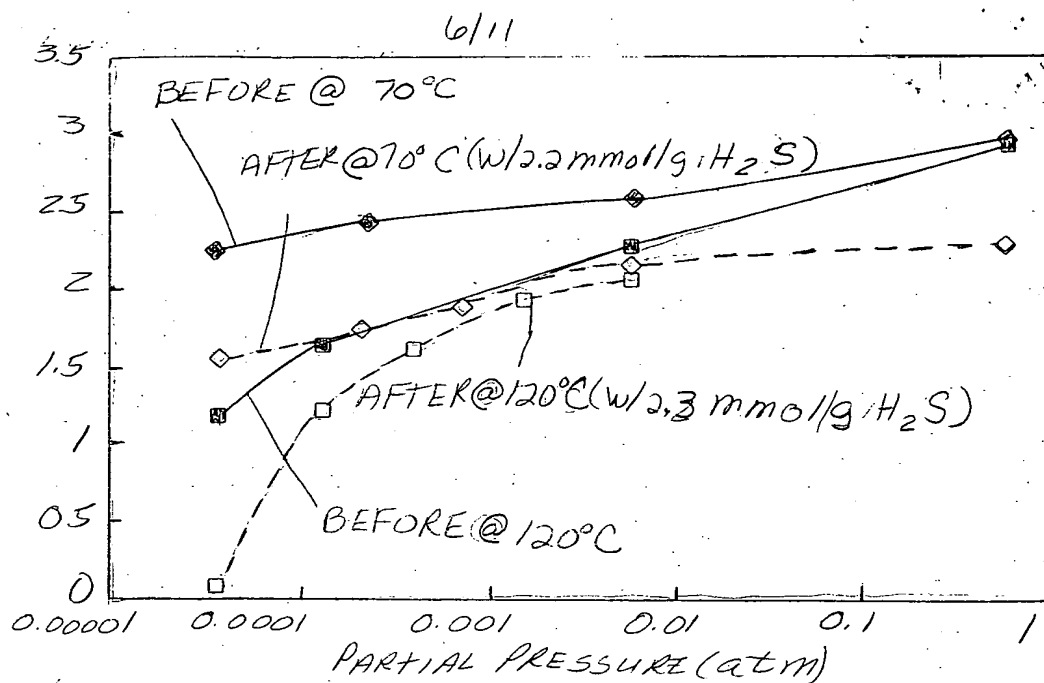


FIG-12A

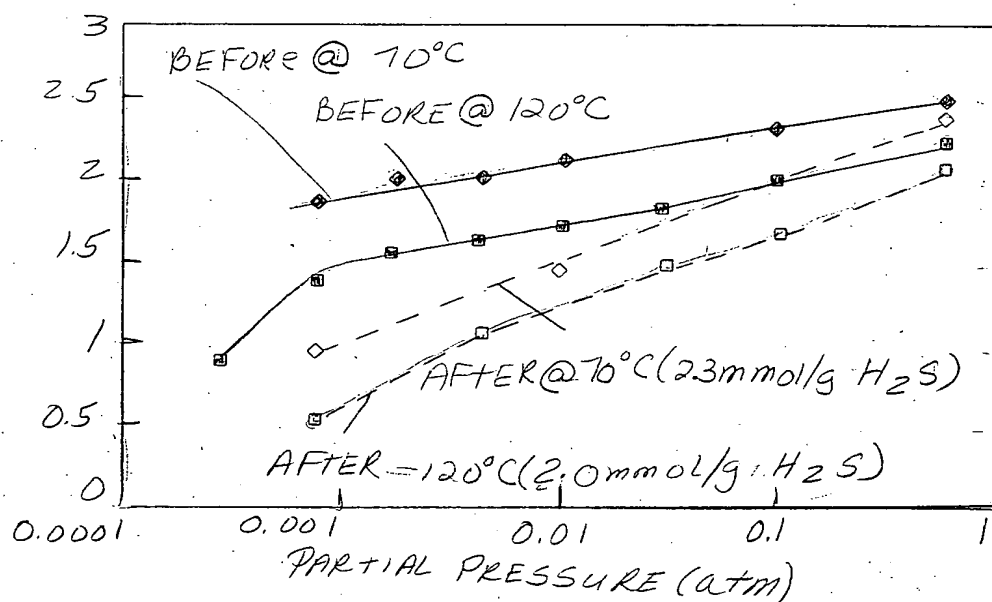


FIG-12B

	1,3-BUTADIENE	1-BUTENE
BEFORE $H_2S$ EXPOSURE	24-29 KCAL/mol	16-22 KCAL/mol
AFTER $H_2S$ EXPOSURE	7-11 KCAL/mol	6-7 KCAL/mol

FIG-12C

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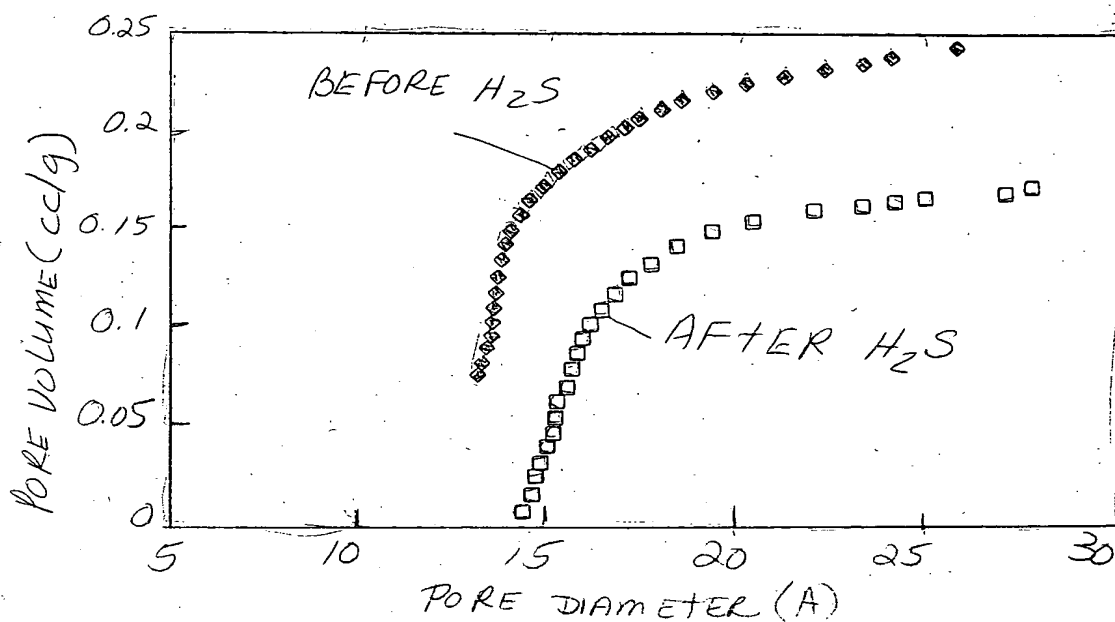


FIG-13

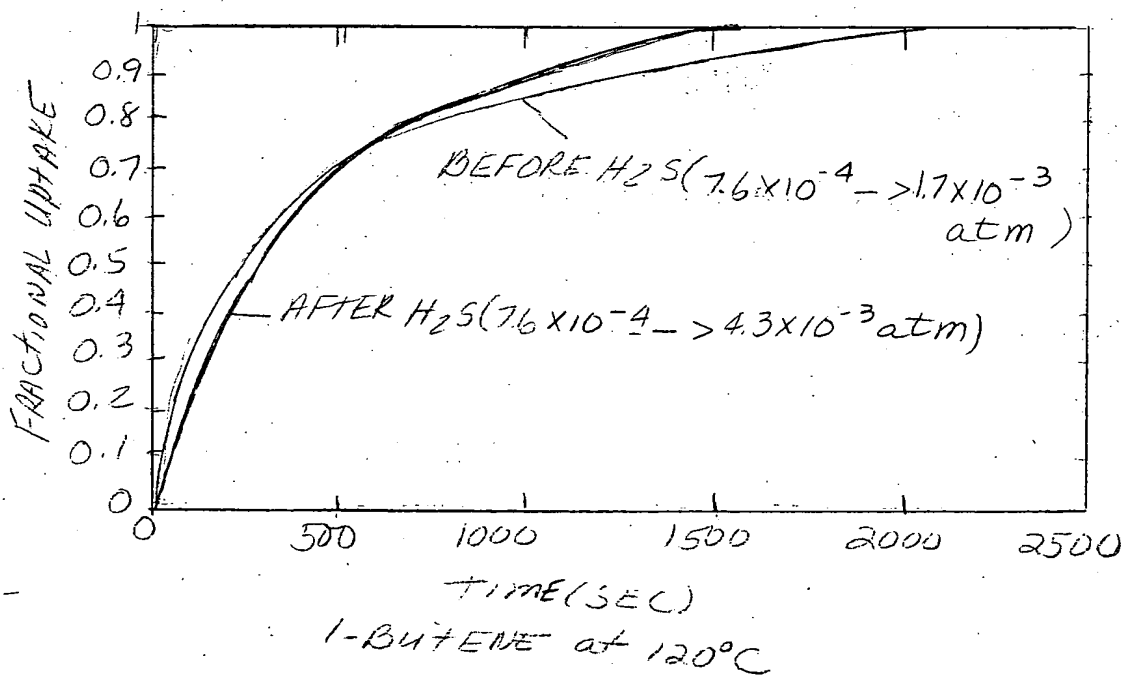


FIG-14A



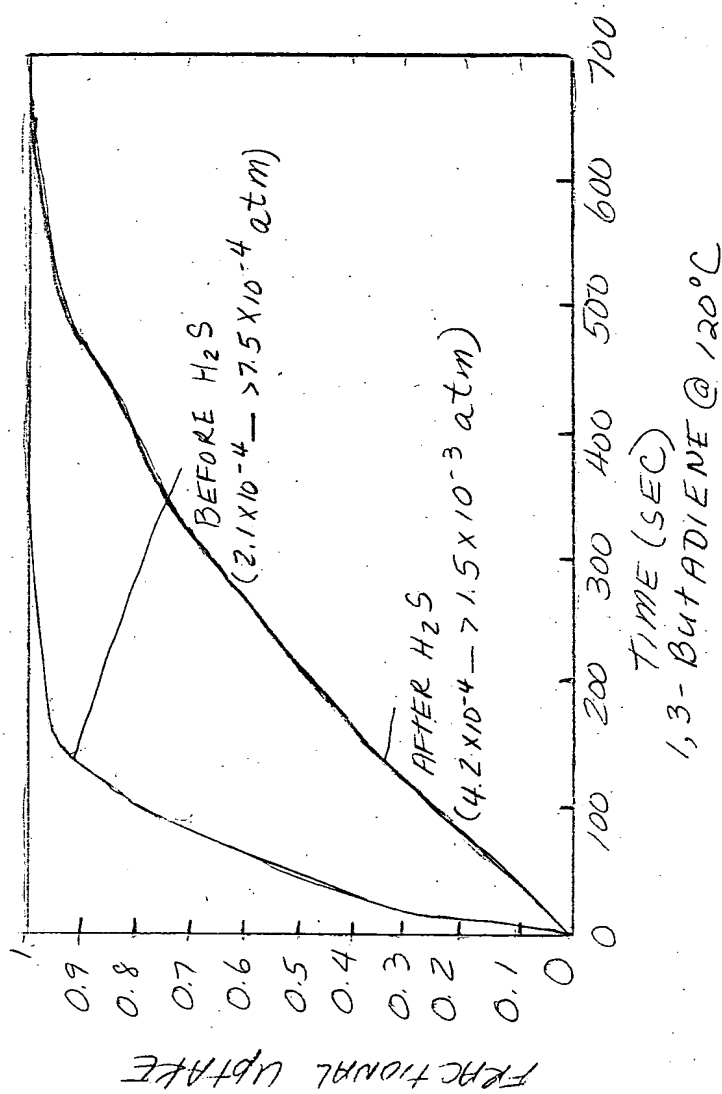


FIG-14C

	BEFORE H <sub>2</sub> S EXPOSURE	AFTER H <sub>2</sub> S EXPOSURE
1-Butene	$1.8 \times 10^{-4}$ ( $7.6 \times 10^{-4} \rightarrow 1.7 \times 10^{-3}$ atm)	$1.5 \times 10^{-4}$ ( $7.6 \times 10^{-4} \rightarrow 4.3 \times 10^{-3}$ atm)
1,3-Butadiene	$8.7 \times 10^{-4}$ ( $2.1 \times 10^{-4} \rightarrow 7.5 \times 10^{-4}$ atm)	$2.6 \times 10^{-4}$ ( $4.2 \times 10^{-4} \rightarrow 1.5 \times 10^{-3}$ atm)

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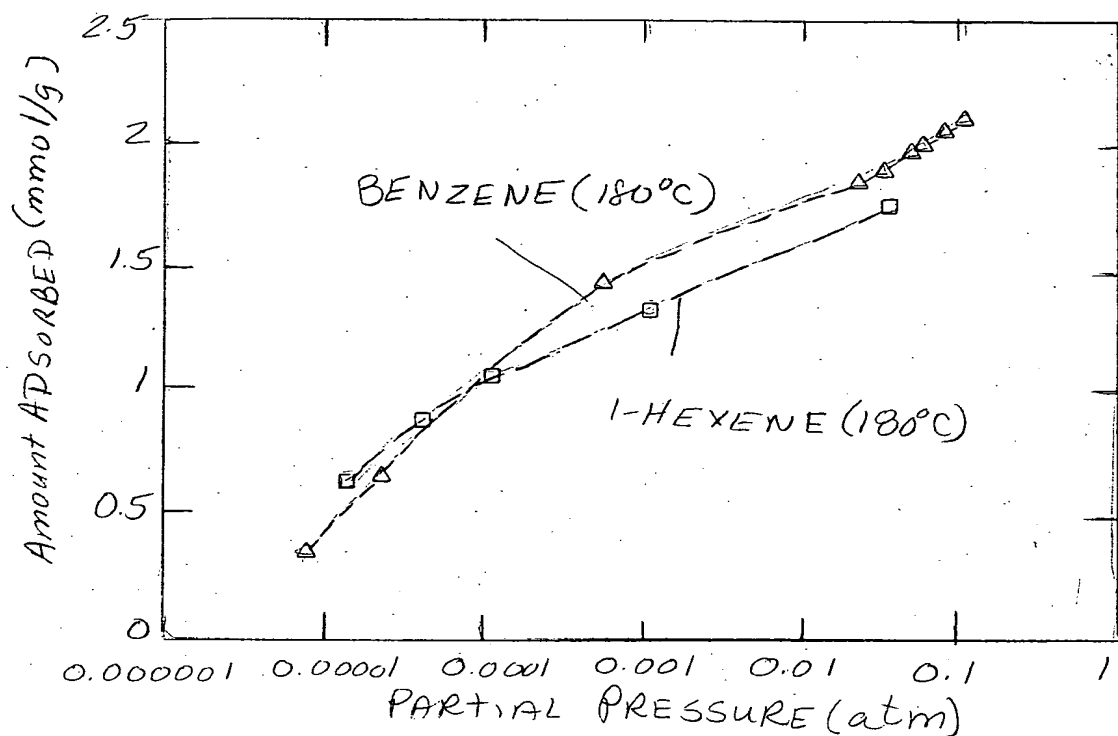


FIG-15 -

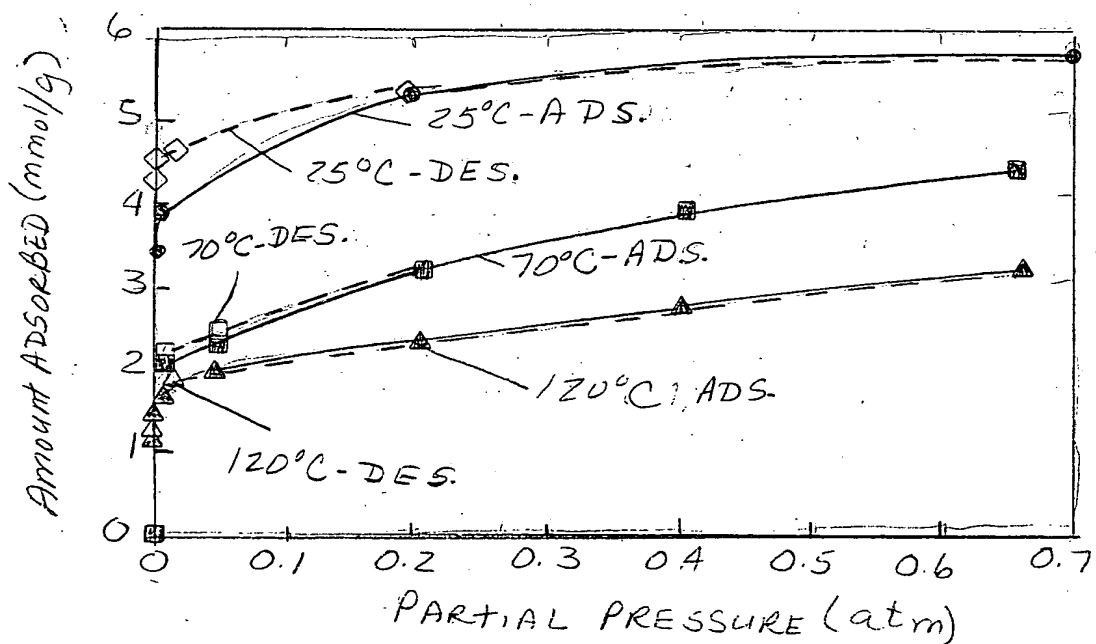


FIG-16

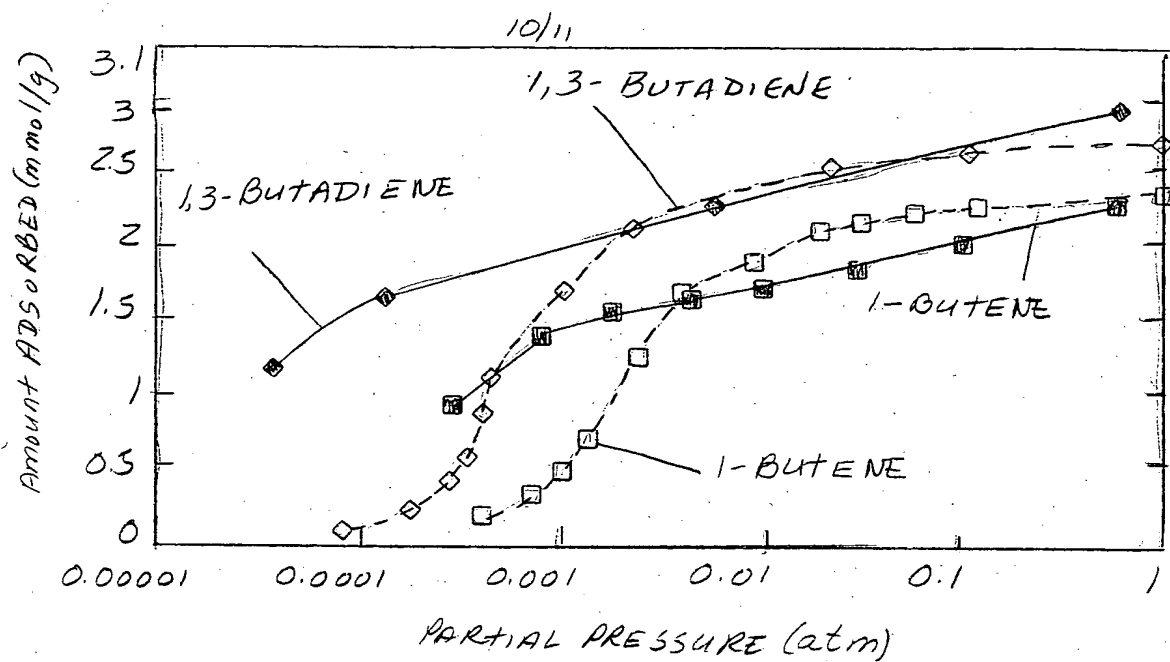


FIG-17

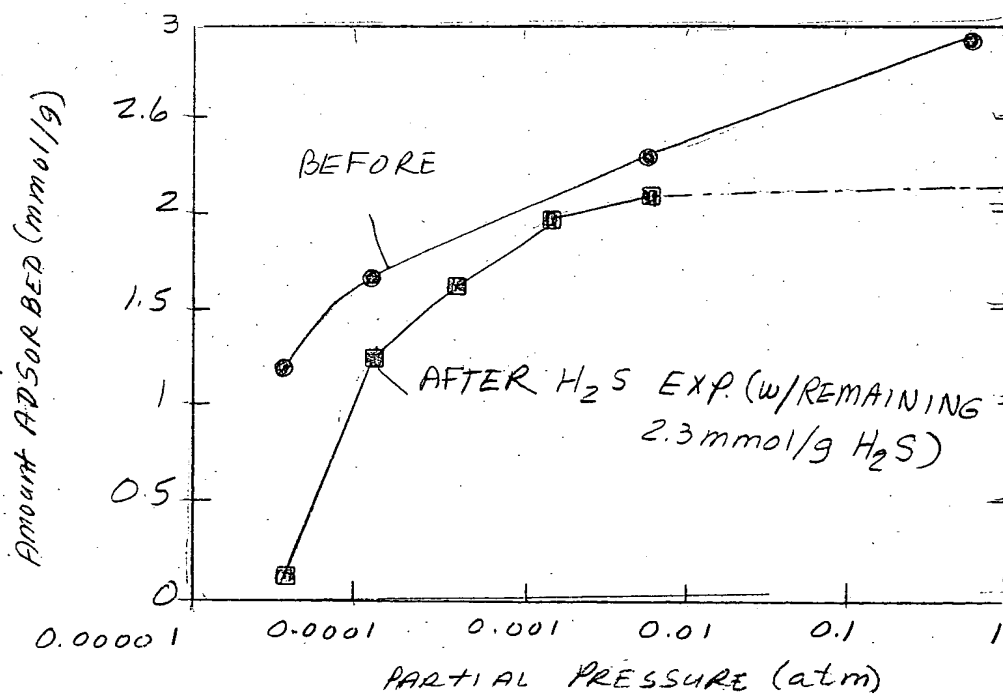


FIG-18

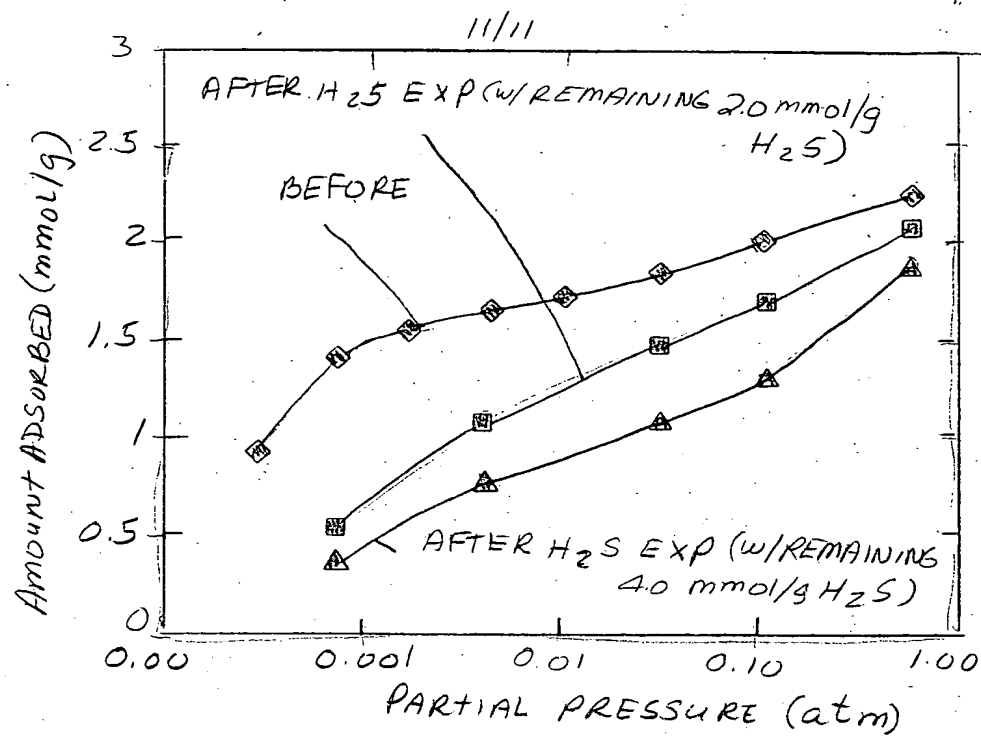


FIG-19

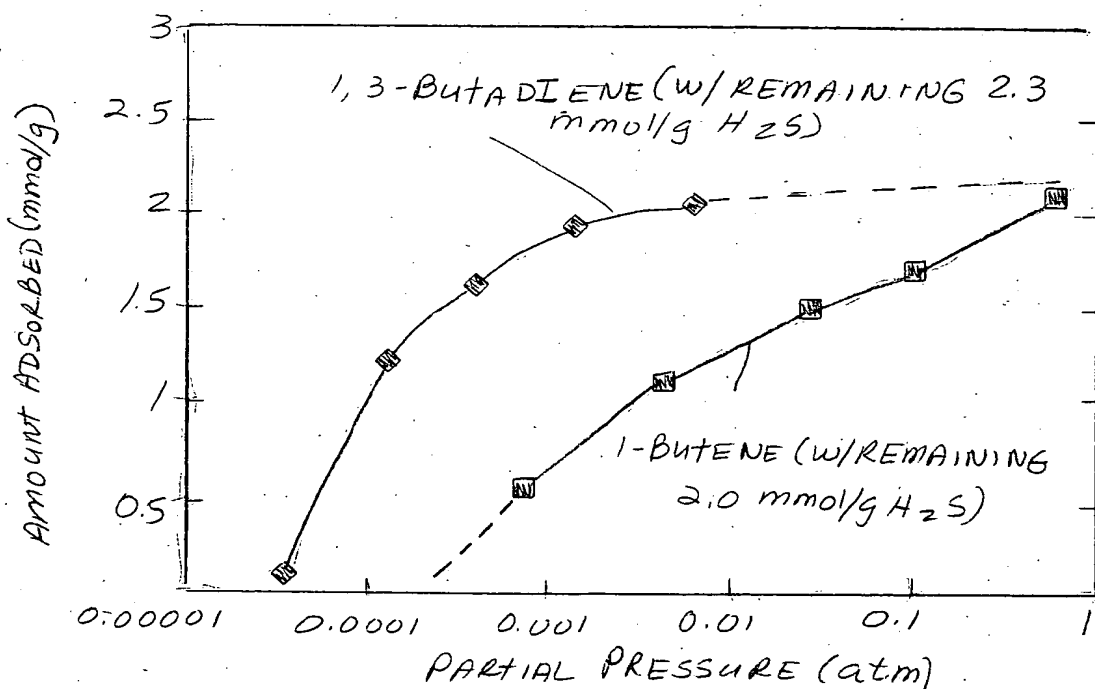


FIG-20